

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	naoki near suehoro	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 18:44
S2	113	naoki near suehiro	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 18:44
S3	24	((multipath or multi-path) and (naoki near suehiro))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 18:44
S4	3	((multipath or multi-path) near2 signal) with transmission with (matrices or matrix) with orthogonal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 11:49
S5	5	((multipath or multi-path) near3 characterist\$4) same ((matrices or matrix) with orthogonal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 13:12
S6	107	((multipath or multi-path) with characterist\$4) and ((matrices or matrix) with orthogonal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 13:14
S7	7	(zcz or (zero near correlat\$4 near zone)) and (measur\$4 near4 (multipath or multi- path))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:43

S8	4	(zcx or (zero near correlat\$4 near (sequenc\$3 or zone))) and ((matrices or matrix) with orthogonal\$3) and (multipath or multi-path)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:50
S9	33	((signal or sequence) with transmit\$4 with (measur\$4 or detect\$4 or calculat\$4 or determin\$4) with (multipath or multi-path)) and (zcx or (zero near\$3 correlat\$4)) and (matrices or matrix)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 16:17
S10	0	((wait\$3 near2 time) with transmit\$4) and ((process\$4 near2 time) with receiv\$4 with (large or long or high)) and (signal with sequenc\$4 with (matrix or matric\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 16:31
S11	0	((wait\$3 near2 time) with transmit\$4) and ((process\$4 near2 time) with receiv\$4 with (large or long or high)) and (sequenc\$4 with (matrix or matric\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 16:33
S12	15	((wait\$3 near2 time) with transmit\$4) and ((process\$4 near2 time) with receiv\$4 with (large or long or high))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 16:33
S13	1	10/578301	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/24 11:15
S14	7	(transmi\$5 with (multipath or multi-path) with (matri\$3 with column with row))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/24 11:20
S15	19	transmi\$5 with (multipath or multi-path) with (matri\$3 with (coefficient or co-efficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/24 11:28

S16	2	((coefficient or co-efficient) near2 array) with common with (column or row)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 14:16
S17	2	((coefficient or co-efficient) near2 array) with common with (multipath or multi-path or (multi path))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 14:17
S18	186	(coefficient or co-efficient) with common with (multipath or multi-path or (multi path))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 14:18
S19	141	((coefficient or co-efficient) with common with (multipath or multi-path or (multi path)) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 14:19
S20	5	((coefficient or co-efficient) with common with (multipath or multi-path or (multi path))) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/24 14:21
S21	15	((coefficient or co-efficient) with matri\$3 with (multipath or multi-path or (multi path))) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/24 14:22
S22	11	(interference with transmission with (permitted or allow\$3)) and ((multipath or multi-path) with (characteristic or measurement)) and (error near2 correct\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/24 14:40

S23	39	(characteristic with measurement with (multipath or multi-path))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/24 15:28
S24	28	forming with matrix with multipath	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 15:46
S25	28	forming with matrix with multipath	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 15:51
S26	11	((multiply\$4 with coefficient \$2 with matrix\$3) same (multipath or multi-path))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 17:55
S27	1	((common near4 (row or vector)) with matrix\$4) and ((multipath or multi-path) same (multiply\$3 near4 (row or column or coefficient or co-efficient)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 19:28
S28	1	((common near4 (row or vector or column)) with matrix\$4) and ((multipath or multi-path) same (multiply\$3 near4 (row or column or coefficient or co-efficient)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 19:28
S29	1	((common near4 (row or vector or column or coefficient)) with matrix\$4) and ((multipath or multi-path) same (multiply\$3 near4 (row or column or coefficient or co-efficient)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 19:29
S30	1	((("same" or common) near4 (row or vector or column or coefficient)) with matrix\$4) and ((multipath or multi-path) same (multiply\$3 near4 (row or column or coefficient or co-efficient)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 19:30

S31	7	((("same" or common or shar\$4) with (row or vector or column or coefficient)) with matri\$4) and ((multipath or multi-path) same (multiply\$3 near4 (row or column or coefficient or co-efficient)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/24 19:30
S32	5	(multiply\$3 with (coefficient \$2 or co-efficient\$2) with (multipath or multi-path)) and (multiply\$3 with (coefficient\$2 or co-efficient \$2) with data) and matri\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 10:27
S33	6	(multiply\$3 with (coefficient \$2 or co-efficient\$2 or row or column) with (multipath or multi-path)) and (multiply\$3 with (row or column or coefficient\$2 or co-efficient \$2) with (transmission or data)) and matri\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 10:30
S34	9	(multiply\$3 with (coefficient \$2 or co-efficient\$2 or row or column) with (multipath or multi-path)) and (multiply\$3 with (row or column or coefficient\$2 or co-efficient \$2) with (transmission or data or signal)) and matri\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 10:31
S35	2	(multipath or multi-path) same (((wait near2 time) or (wait\$3 near2 time)) with (less or reduce\$3 or minim \$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 10:42
S36	27	(multipath or multi-path) same ((wait near2 time) or (wait\$3 near2 time))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 10:43
S37	154	(form\$3 with matri\$3 with orthogon\$3) and multipath	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 12:53
S38	107	((@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @rlad<"20031106") and (form\$3 with matri\$3 with orthogon\$3) and multipath	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 12:56

S39	2	((multipath or multi-path) near2 (characterist\$3 or measurement)) and (matric\$3 with (row vector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/08/30 22:23
S40	1	((multipath or multi-path) with (characterist\$3 or measurement) with transmission with signal) and (matric\$3 with (row vector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/08/30 22:25
S41	3	((multipath or multi-path) with transmission with signal) and (matric\$3 with (row vector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/08/30 22:26
S42	12	(matric\$3 with (row vector)) and (multi-path or (multi path))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/08/30 22:27
S43	86	(matric\$3 with (row or column)) and ((multi-path or (multi path)) same transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/08/30 23:24
S44	66	(matric\$3 with (row or column)) and ((multi-path or (multi path)) same transmission) and (@pd<"20031106" or @ad<"20031106" or @prad<"20031106" or @riad<"20031106")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/08/30 23:25
S45	29	((coefficient or co-efficient) with matric\$3 with (multipath or multi-path or (multi path)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/01/13 22:56
S46	1	("5432816").PNL	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/01/13 22:57
S47	5	((orthogonal near4 (coefficient\$2 or co-efficient \$2)) with matric\$3) and (("same" or match\$4 or common) near4 (row or column)) and (multipath or multi-path)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/01/14 13:53

S48	41	((signal or sequence) with transmi\$5 with (measur\$4 or detect\$4 or calculat\$4 or determin\$4) with (multipath or multi-path)) and (zcx or (zero near3 correlat\$4)) and (matrices or matrix))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/14 13:55
S49	23	(communicat\$4 or transmi\$5) with (multipath or multi-path) with (matri\$3 with (coefficient or co-efficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/14 13:56
S50	1	("5432816").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/01/14 14:13

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S51	1	((multipath or multi-path) near2 signal) with array) and ((common or "same") with (coefficient\$2 or co-efficient\$2) with (column or row))	USPAT; UPAD	ADJ	ON	2010/01/14 13:34
S52	14	(transmitter or receiver or communication) and (((multipath or multi-path) near2 signal)) and ((common or "same") with (coefficient\$2 or co-efficient\$2) with (column or row))	USPAT; UPAD	ADJ	ON	2010/01/14 13:37
S53	21	("3920978"   "4055756"   "4138730"   "4849922"   "4914615"   "4945506"   "5093801"   "5267185"   "5301136"   "5357454"   "5481487"   "5528528"   "5561618"   "5574675"   "5831883"   "5841395"   "5870378"   "6115728"   "6185595"   "6327602"   "6735610").PN.	US-PGPUB; USPAT	NEAR	ON	2010/01/14 13:39
S54	0	(matrix with (orthogonal near4 (coefficient\$2 or co-efficient\$2))) and (common near4 (row or column)) and (multipath or multi-path)	USPAT; UPAD	ADJ	ON	2010/01/14 13:44

S55	1	(matrix with (orthogonal near4 (coefficient\$2 or co- efficient\$2))) and (("same" or match\$4 or common) near4 (row or column)) and (multipath or multi-path)	USPAT; UPAD	ADJ	ON	2010/01/14 13:45
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